Power Engineering

848

growth of power engineering since nationalization. He quotes data and figures on hydrotechnical constructions, district heating systems and power systems. He devotes a chapter to the peculiarities and special features of electric power consumption in China. He also describes the fuel resources and fuel supply of electric power stations, the manufacture of power engineering equipment and discusses the problem of training personnel for the electrical-engineering industry in China. His closing chapter tells of the assistance supplied by the USSR in this field. There are no references.

Kozlov, V.A., Engineer. Municipal Electric Power Systems Abroad

232

Card 13/14

Power Engineering

848

The author presents a historical survey of the problem and describes in detail two examples (Berlin and Paris) of electric power supply systems abroad. There are 26 references, of which 8 are German, 7 Swiss, 9 English, and 2 Italian.

AVAILABLE: Library of Congress

JP/lsb 11-20-58

Card 14/14

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

STARIKOV. V.G., kand, okon, rank.

Selecting economically expedient standard cross sections for conductors of electric overhead transmission lines. Trudy LIEI no.19:

(MIRA 11:6)

33-42 *57.

ARTYUGIN, I.M.; GRACHEV, Yu.P.; DAVYDOV, L.N.; DOYNIKOV, Ya.P.; KIRPICHEV, V.I.; LEVENTAL', G.B.; MELENT'YEV, L.A.; MICHURIN, K.I.; NIKONOV, A.P.; SASHONKO, G.I.; STARIKOV, V.G.; FROLOV, V.I.; KHRILEV, L.S.; RABINOVICH, A.L., red.; SOBOLEVA, Ye.M., tekhm. red.

[Technical and economic principles of the expansion of heat supply engineering in power systems] Tekhniko-ekonomicheskie osnovy ply engineering in power systems] Tekhniko-ekonomicheskie osnovy razvitiia teplofikatsii v energosistemakh. Moskva, Gos. energ. (MIRA 15:5)

[Heat engineering) (Electric power plants)

AYZENBERG, B.L.; BOLOTOV, V.V.; BRIL', R.Ya.; GERASIMOV, V.N.; GREKOV, V.I.;

DOVETOV, M.Sh.; KAMENSKIY, M.D.; KLEBANOV, L.D.; KONSTANTINOV, B.A.;

KUZ'MIN, V.G.; LYUBAVSKIY, V.I.; MELENT'YEV, L.A.; MIKHALEV, N.N.;

POLYANSKIY, V.A.; RAZDROGINA, L.A.; SIVAKOV, Ye.R.; STARIKOV, V.G.;

SAVASHINSKAYA, V.I.; SHAYOVICH, L.L.

Igor' Valentinovich Gofman, 1903-1963; obituary. Trudy LIEI no.51:3-4 '64. (MIRA 18:11)

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

STARIKOV, Vasiliy Ivanovich; KUZNETSOV, S.I., nauchn. red.

[Fire safety for cultural and educational institutions]
Pozharnala bezopasnost' kul'turno-prosvetitel'nykh uchrezhdenii. Moskva, Stroiizdat, 1965. 97 p.

(MIRA 18:3)

S/194/61/000/007/073/079 D201/D305

9.6000 (1013, 1089, 1159)

AUTHORS:

Isabayev, Ye.A., Kozak, L.V., Mikhaylov, V.F., Orlov, D.P., Starikov, V.M. and Chursin, G.P.

TITLE:

Multi-channel amplitude analyzer with simple chan-

nel switching circuit

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika,

no. 7, 1961, 34, abstract 7 K203 (V sb. Optika.

Yadern. protsessy. Alma-Ata, 1959, 51-57)

The description is given of the circuit of a 50-channel amplitude analyzer with amplitude-to-time conversion. The arrangement employs a simple time-discriminator circuit built around a 50phase single-shot multivibrator, gating in sequence 50 coincidence circuits for the duration of 150 μ sec. The multi-vibrator is triggered by the leading edge of the transformed analyzed pulse of duration t. The trailing edge of the pulse is applied to the coincidence circuits and is transmitted to the output of the N-th channel,

Card 1/2

301k3 S/194/61/000/007/073/079 D201/D305

Multi-channel amplitude analyzer...

with N defined as N = $t/130~\mu$ sec. Each channel is terminated in a counter. The analyzer is being used at the Kazakhstan State University. 6 references. Abstracter's note: Complete translation

X

Card 2/2

OMITRICHUNKO, G.S., kand. tekhn. nauk; STARIKOV, V.M., inzh.; VIGDORCHIK. V.M., kand. tekhn. nauk; NAUMOV, K.M., inzh.

Effect of the traveling smeed of the DT-75 tractor on the stresses in suspension systems. Trakt. i sel'khosmash. no.8:5-7 Ag 165. (MJRA 18:10)

1. Gosudarstvennyy soyuznyy nauchno-issledovateliskiy traktornyy institut (for Emitrichenko, Starikov). 2. Orenburgskiy seli-skokhonyaystvennyy institut (for Vigdorchik, Naumov).

LYSYY, A. [reviewer]; STARIEOV, V.N. [anthor]

Competition of Vologda Ship repairmen ("Fighting to develop a progressive enterprise." V.N. Starikov. Reviewed by A. Lysyi), Sov. profesoimy in no.3:86-88 N '53.

(Starikov, V.N.) (Vologda-Ships-Maintenance and repairs) (Maintenance and repairs-Ships-Vologda)

SAVITSKIY, Ye.M.; TYLKINA, M.A.; ZHDANOVA, L.L.; ZUEKOVA, L.A.; STARKOV, V.N.; FOKIN, A.G.; PETROVA, L.S.; ARKUSHA, T.I.

Investigating the properties of rhenium and rhenium alloys with tungsten and molybdenum. Issl. po zharopr. splav. 9:194-203 '62. (MIRA 16:6)

(Rhenium--Testing)

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

STARIKOV, V.N., Cand Geog Sci — (diss) "Tavdinskiy industrial dimber region (Economic, geographical characteristics of the northeast rayons of Sverdlovskaya Oblast) Permi, 1959, lh pp (Min of Higher Education USSR. Permi State Univ im A.M. Gor'kiy) 165 copies (KL, 33-59, 117)

- 13 -

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

18.0000

75400 SOV/149-2-5-26/32

AUTHORS:

Starikov, V. N., Sorokin, V. I.

TITLE:

First Caucasian Interuniversity Conference of Students-

Geologists

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Tsvetnaya metal-

lurgiya, 1959, Vol 2, Nr 5, pp 175-179 (USSR)

ABSTRACT:

From April 16 to 19, 1959, the above conference took place at the North Caucasian Mining Metallurgical Institute, Ordzhonikidze, at which student societies of a number of universtities and institutes participated. The conference was opened by a paper by student Kachurin, V. (SKGMI is the North Caucasian Mining Metallurgical Institute): "Concerning Aims of Soviet Geology in the Spirit of Decisions by the XXI Congress of the Communist Party of the Soviet Union." There followed 20 papers by students from Ordzhonikidze, Baku, Groznyy, Dnepropetrovsk, Kiev,

Novocherkassk, Moscow, Rostov, Kharkov. Zubov, V. (Dnepropetrowsk) submitted a paper on "Scheelite-Bearing

Skarns in one of the North Caucasian Deposits." Yushin, Card 1/4

First Caucasian Interuniversity Conference of Students-Geologists

75400 SOV/149-2-5-26/32

Yu. (Groznyy) read a paper on "An Improved Device for Determination of Magnetic Properties of Rocks - the 'Penetrometer'". A paper by Bochek, L. (Moscow), "Gas Content of Copper Pyrite Deposits in the Center of Northern Caucasus" was given. Mel'nikova, T. (Groznyy) presented a paper on "Bituminous Limestone of Northern Osetia. "Drozdov, V., Miroshnichenko, A., and Stativkin, E. (Novocherkassk) presented a paper on "Structure and Origins of a Copper Pyrite of Central Caucasus." Independent work carried out by Kondakov, L., and Kondakova, S. (Ordzhonikidze) was the subject of a paper: "Microstructural Analysis of Surrounding Rocks as a Method of Determination of the Origin of Buronsk Cassiterite-Pyrite Deposit in Northern Osetian ASSR." Grigorovich, B. (Kiev) submitted a paper on "Mineral Waters of Kermadon." Konovalova, B. (Ordzhonikidze) submitted the results of a study under the direction of Mansurovskiy, A. P., and Kryazhev, G. S.: "Geological Structure and Methods of Study of a Caucasian Ore Deposit at the Sadonsk-Uman Anticlinal Fold." Potapov, V.

Card 2/4

First Caucasian Interuniversity Conference of Students-Geologists

75400 S0V/149-2-5-26/32

(Ordzhonikidze) submitted a paper on "Structure of Kholstin Polymetallic Deposit." This work was carried out under the direction of Docent Baklakov, M. S. The following papers were submitted: Kirillova, G., and Yegorova, E. (Rostov): "Micropaleontological Character of the Upper Foraminiferic Formation in River Belaya Area in Northern Caucasus"; Dubrovinskiy, R. (Ordzhonikidze): "Application of Absorption Spectroscopy to Mineralogy of Cleiophane in the Verkhne-Zgidskiy Deposit"; Mirzoyeva, F. (Baku): "Hydrothermally Modified Rocks of Azerbeydzhan SSR"; Lebed'ko, G. (Rostov on Don): "Petrographic Pecularities of the Baryta Zone Near Karabek in Northern Caucasus"; Buniat-Zade Zia Aliogly (Baku): "Diapirism in South-Eastern Caucasus"; Berger, M., (Kharkov): "Petrography and Origins of Kiya-Shaltyrsk Urtite Deposits"; Denisenko, V. (Dnepropetrovsk: "Stratigraphy of Jurassic Deposits at Karachayevsk"; Kianits, A., Kovalenko, A.: "New Data on Geology, Magmatism and Metal Origins of Northern Caucasus"; Efendiyev, E. (Baku): "Useful Minerals of Azerbeydzhan

Card 3/4

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

First Caucasian Interuniversity Conference of Students-Geologists

75400 \$0V/149-2-5-26/32

SSR"; Shinkarenko, V. (Novocherkassk): "Permatites of Kaibsk Granite Mountain Range, Their Origin and Classification." The North Caucasian Geological Administration and the trust "Sevkavkaztsvetmetrazvedka" (North Caucasian Prospecting of Nonferrous Metals) participated in the work of the conference. The next conference will take place in Baku in 1960.

Card 4/4

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

STARIKOV, V.N.

Population geography of Krasnoyarsk Territory. Sib. geog. sbor. no.2:196-205 '63. (MIRA 16:11)

※ 多下下水水中野水水及水等等等等等的超過

PEKH, Yu.Yu.; STARIKOV, V.N., red.; MAKAROV, I.M., tekhn.red.

[Increasing the size of packages on PM-114-L. PM-88-L and PM-88L1 ring-spinning machines] Uvelichenie pakovok na priadil'-nykh kol'tsavykh mashinakh: MP-114-L. PM-88-L 1 PM-88L1. Smolensk. Sovet narodnogo khosiaistva Smolenskogo akon.administrativnogo raiona, 1960. 6 p. (MIRA 13:11)

1. Moscow. Vystavka dostisheniy narodnogo khosysystva SSSR.
2. Zaveduyushchiy pryadil'nym proisvodstvom Smolenskogo l'no-kombinata (for Pekh).

(Spinning machinery)

LEBEDEV, K.A.; STARIKOV, V.N., red.; MAKAROV, I.M., tekhn.red.

[Manufacture of flax yarns from boiled and bleached roving]
Vyrabotka l'nianykh priazh iz varenoi i belenoi rovnitsy.
Smolensk, Sovet narodnogo khoz. Smolenskogo ekon. administrativnogo raiona, 1960. 11 p. (MIRA 13:11)

Moscow. Vystavka dostizheniy narodnogo khosyaystva SSSR.
 Glavnyy inzhener Smolenskogo l'nokombinata (for Lebedev).
 (Yarn) (Flax processing machinery)

\$/056/61/040/002/025/047 B102/B201

AUTHORS:

Granovskiy, Ya. I., Staríkov, V. N.

TITLE:

Determination of the parity of strange particles with the

aid of dispersion relations

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki,

v. 40, no. 2, 1961, 537-545

TEXT: The methods generally applied to determine the parities of strange particles, which are based upon a phenomenological analysis of their production or absorption, respectively, involve considerable difficulties; above all, to be able to determine the parity of a particle, one must know the nuclear interaction properties of the partner particle, which fact, however, occurs very rarely. The possibility of using the dispersion relations for determining the parity of strange particles has already been reported about by P. T. Matthews and A. Salam (Phys. Rev. 110, 565, 1958), K. Igi (Progr. Theor. Phys. 19, 238, 1958), and C. Goebel (Phys. Rev. 110, 572, 1958). The method is essentially based upon the fact

Card 1/12

S/056/61/040/002/025/047 B102/B201

Determination of the parity of ...

that the sign of the pole term appearing in consequence of a transition into an intermediate state containing one hyperon, depends on the parity of the Kp system with respect to this hyperon (See Ref. 2: Phys. Rev. Lett. 2, 510, 1959; Phys. Rev. 113, 1635 and 1692, 1959; Nuovo Cim. 13, 224, 1959 and 15, 986, 1960). To calculate the pole terms one must know the dispersion integral and the real part of the scattering amplitude, which is possible when availing oneself of experimental data. Unlike other investigations (e.g., Ref. 2), the present study has not been conducted with the simplest approximations with respect to $\sigma(E)$, but a complete analysis of all data has been made with the least squares method. The accuracy of calculations can thus be estimated, and a number of problems arising in Ref. 2 (Nuovo Cim.-papers) can be solved. The first part of the present paper contains a discussion of the analysis of experimental data; the data concerned are taken from a lecture by L. Alvarez in Kiyev (KN interaction). These numerical data are presented in Fig. 1 and Table 1, and Fig. 2 and Table 2,

respectively. For the study of $\sigma(\omega) = \sum_{k=1}^{n} C_k \varphi_k(\omega)$, the interpolation

Card 2/12

tot tot, while hotatall fitting the experimental data at $\lambda = 5$ m, is accurate within 5% at higher energies. The choice of dispersion relations is discussed in the second section of the paper. The dispersion relations offered by Matthews and Salam for the K p scattering with the threshold energies $\lambda_{AB} = 0.474$ m, $\lambda_{AB} = 0.129$ m, and formula

Card 3/12

Determination of the I	parity of	S/056/61/040/00 B102/B201		35
is obtained (according	to Matthews-Salam);	according to Igi:		
<i>D</i> ₊	$(\omega) - \frac{\omega + m}{2m} D_{+}(m) + \frac{\omega - m}{2m} D_{+}(m)$	$P_{-}(\omega) = \frac{k^2}{4\pi^2} \int_{m}^{\infty} \frac{d\omega'}{k'} \left[\frac{\sigma_{+}}{\omega' - \omega} + \frac{\sigma_{-}}{\omega' + \omega'} \right]$	-w]+	10
·	$+\frac{k^2}{\pi}\int\limits_{\omega_{\Lambda\pi}}^{m}\overline{k'^2}$	$\frac{A_{-}d\omega'}{(\omega'+\omega)} + 2F\frac{k^2}{\omega}$	(3.7)	٠ د
and according to Amati	(Ref. 2):			/
D ₊ ($\frac{B_{+}(\omega) - D_{+}(m)}{\omega - m} = \frac{B_{+}(\omega) - B_{+}(m)}{\omega - m} + \frac{B_{+}(\omega) - B_{+}(m)}{\omega - m}$	And the second s	V	· •
	$\frac{\omega - m}{(\omega' + \omega)(\omega' + m)} - \frac{1}{\pi}$		- : 5	
$m = f(\omega, -\omega)(\omega, -\omega)$	$-m$) $(\omega' + \omega)(\omega' + m)$ π	$\int_{\omega} \frac{(\omega_{1} + \omega)(\omega_{2} + \omega)}{(\omega_{2} + \omega)(\omega_{3} + \omega)}$		
(3.6) and (3.7) are app	plied at $\omega = m$, (3.8)	at C = 1.22 m. The	(3.8).	
ard 4/12				

Determination of the parity of ... $\frac{S/056/61/040/002/025/047}{B102/B201}$ scattering lengths a, b are introduced: $D_{+}(c_{-}) = -ak/k_{c}$ and $D_{-}(c_{-}) = \pm bk/k_{c}$ (k_{c} being the momentum in the c.m.s.), and formulas $\pm b + a = B_{1} + \frac{M}{M+m} \frac{2m}{4\pi^{2}} \left[\int_{m}^{\infty} \frac{\sigma_{-} - \sigma_{+}}{k'} d\omega' + \int_{\omega_{An}}^{m} \frac{ik' |\sigma_{ab} d\omega'}{\omega'^{2} - m^{2}} \right], \quad (3.10)$ $\pm b + a + \frac{2Mm}{M+m} D'_{+}(m) = B_{2} + \frac{M}{M+m} \frac{m^{2}}{\pi^{2}} \left[\int_{m}^{\infty} \frac{d\omega'}{k'} \left(\frac{\sigma_{+}}{\omega' - m} + \frac{\sigma_{-}}{\omega' + m} \right) \right] + \int_{\omega_{An}}^{m} \frac{ik' |\sigma_{ab} d\omega'}{k'^{2}(\omega' + m)} \right], \quad (3.11)$ $r_{+}(1,22m) = B_{3} + \frac{1}{\pi} \int_{m}^{\infty} k' d\omega' \left[\frac{\sigma_{+}}{(\omega' - 1,22m)(\omega' - m)} - \frac{\sigma_{-}}{(\omega' + 1,22m)(\omega' + m)} \right] - \frac{1}{\pi} \int_{\omega_{An}}^{m} \frac{ik' |\sigma_{ab} d\omega'}{(\omega' + 1,22m)(\omega' + m)} . \quad (3.12)$

·	
Determination of the parity of	S/056/61/040/002/025/047 B102/B201
are obtained. The fourth part deals with the terms; the latter can be determined by the (3.10) - (3.12) , and can be expressed by a, b integrals. Numerically one obtains: $a = (0.046 \pm 0.330) \text{ m}^{-1}$, $D_{+}^{1}(\text{m}) = (-0.26 \pm 1.000) \text{ m}^{-1}$. The dispersion integrals are subdivided after intervals $\omega_{\Lambda\pi} = \omega' = \infty$, $\omega_{\Lambda\pi} = \omega' = \omega' = 0.000$, $\omega_{\Lambda\pi} = 0.000$, ω	dispersion relations and the dispersion 0.8389 ± 0.0268) m ⁻¹ , and 65) m ⁻² , $r_{+} = (-0.22 \pm 1.04)$ m ⁻²
The pole terms B_i can be determined by $B_l = \overline{B}_l + \sum_{k=1}^{1}$	$b_{lh}\Delta C_h, \qquad (4.8)$
$\overline{\Delta C}_k = 0, \overline{\Delta C}_k$	0.006 0.010 0.000
$b_{ik} = \begin{pmatrix} 1.773 & -4.034 & 6.362 & -0.025 & 0.024 & -0.025 & 0.024 & -0.025 & 0.024 & -0.025 & 0.024 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 & -0.025 & 0.024 & -0.008 &$	0,017 0,010 0,037 -0,008 -0,009 -0,009 -0,009 0,104 -0,002 0,037 -0,001 -0,031 (4.10)

Determination of the parity of ...

S/056/61/040/002/025/047 B102/B201

(4.10);

their numerical values are given in Table 4 for i=1, 2, 3. Table 3 contains the same terms, expressed by the (unknown) parities and the coupling constants of the strange particles. By combining the data of these tables, one obtains (Table 3) the relation $a \sqrt{g^2} \sqrt{4\pi} +$

i	^a i.	a _{iΣ}
1 2 3	(-2.296 0.123 (-2.663 0.143 (-9.305 0.498	{-2.717 { 0.114 {-2.697 { 0.113 {-7.540 0.316

Card 7/12

+ $a_{\sum}g_{\sum}^{2}/4\pi = B$; the coefficients a_{Y} can be taken from Table 3. They are a function of the parity. B (cf. Table 4) also depends on the sign of the potential of the K p interaction. Not only one, but all dispersion relations are considered and regarded as a system of equations treated with respect to the unknown coupling

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1"

-30

...

			And the Guard of Bridge	00010000000
Determination of the parity of		S/056/61/040/002/ B102/B201	025/047	
constants. One obtains				
$a_{1A}g_A^2/4\pi + a$	$_{1\Sigma}g_{\Sigma}^{2}/4\pi=B_{1}, \qquad a$	$a_{2\Lambda}g_{\Lambda}^{2}/4\pi + a_{2\Sigma}g_{\Sigma}^{2}/4\pi = B_{2}$		1
	$a_{3\Lambda}g_{\Lambda}^2/4\pi + a_{3\Sigma}g_{3}^2$		(5.2)	
where	er erteksi de ili ili ili ili ili ili ili ili ili il		:	. ,
	$\begin{vmatrix} a_{1\Lambda} & a_{1\Sigma} & B_1 \\ a_{2\Lambda} & a_{2\Sigma} & B_3 \\ a_{3\Lambda} & a_{3\Sigma} & B_3 \end{vmatrix} = 0$	(5.5	3)	
nolds. (5.2) is only positively s	colvable, if the	e parities are chos	en as	
follows: $p(K^{\dagger}\Lambda_{o}) > 0$, $p(K^{\dagger}\Sigma_{o}) <$	0. Here, the	coupling constants	are	
$g_{\Lambda}^2/4\pi = 0.28 \pm 0.67$ and $g_{\Xi}^2/4\pi = 6$ factor is found to be $k = (\omega_{\Xi} + M)$ Summing up: 1) When determining t	I + M-)/(い- +)	$M - M_{\Sigma}) = -23.9.$		
Card 8/12 · ·				
•	:			

Determination of the parity of ...

S/056/61/040/002/025/047 B102/B201

use the sign of the pole term only (as has been done in Refs. 1, 2), but the dispersion relations must be taken as equations for g_Y^2 .

2) Opposed parity of the hyperons is most probable, with the g_Y^2

differing by about the 40-fold. 3) No assumptions must be made concerning the scattering lengths of the K meson. 4) The dispersion relation by Igi leads to a large spread of the quantities investigated. 5) The contribution made by absorption is small in the dispersion integrals, with extrapolations being facilitated in the nonphysical region. Professor Zh. S. Takibayev is thanked for his interest, and Professor L. Alvarez and A. Rosenfeld for having supplied unpublished papers, A. Akhmedshina for her assistance in the calculations. There are 2 figures, 4 tables, and 7 references: 2 Soviet-bloc and 5 non-Soviet-bloc.

ASSOCIATION:

Institut yadernoy fiziki Akademii nauk Kazakhskoy SSR (Institute of Nuclear Physics, Academy of Sciences, Kazakhskaya SSR)

Card 9/12

30

25

S/056/62/043/002/024/053 B104/B108

AUTHORS:

Cranovskiy, Ya. I., Starikov, V. N.

TITLE:

Determination of the parity and coupling constant of a

Z-hyperon with K-mesons

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 43,

no. 2(8), 1962, 525-529

 $\mathtt{TEXT}\colon$ With the aid of experimental data on the K-meson scattering from neutrons and the dispersion relations

 $D_{-}(\omega) = B_{-}(\omega) + \frac{1}{\pi} \int_{-\infty}^{\infty} \frac{A^{(-)}(\omega') d\omega'}{\omega' - \omega} + \frac{1}{\pi} \int_{K}^{\infty} \frac{A^{(-)}(\omega') d\omega'}{\omega' + \omega}. \tag{2.1}$

$$D(\omega) = \operatorname{Re} M(\omega), \qquad A(\omega) = \operatorname{Im} M(\omega), \qquad (2.2)$$

Card 1/2

Determination of the parity ...

\$/056/62/043/002/024/053 B104/B108

for the forward scattering of K mesons from a nucleon (Ya. I. Granovskiy et al., ZhETF, 40, 537, 1961) it is shown that the parity of the Σ -hyperon $f_{\Sigma}^2 = -0.5 \pm 0.22$ is negative and the coupling constant $\varepsilon_{\Sigma}^2/4\pi = 10 \pm 4$. The parity of the Λ -hyperon is determined using the new coupling constant and the relations of P. T. Matthews et al. (Phys. Rev., 110, 569, 1958) and of C. Goebel (Phys. Rev., 110, 572, 1958). It is found to be $f_{\Lambda}^2 = -0.04 \pm 0.40$. f_{Λ}^2 , thus being negative with a probability of 54% and positive with a probability of 46%. The determination of the parity of the Λ -hyperon requires more exact experimental data. There is

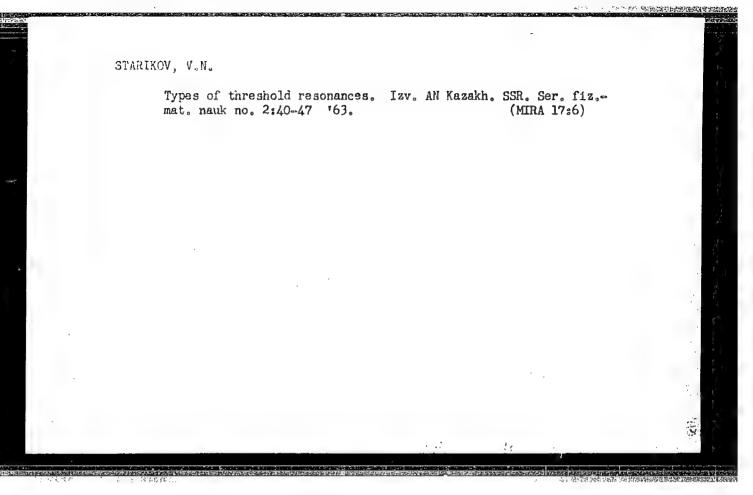
ASSOCIATION:

Institut yadernoy fiziki Akademii nauk Kazakhskoy SSR (Institute of Nuclear Physics of the Academy of Sciences Kazakhskaya SSR)

SUBMITTED:

February 13, 1962

Card 2/2



"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

GHANOVSKIY, Ya.I.; PANTTUSHIN, A.A.; STARIKOV, V.N.

"Threshold" origin of inelastic resonances. Izv. AN Kazakh.

SSR. Ser. fiz.-mat.nauk no. 2:48-51 '63. (MIRA 17:6)

NAZAHOV, 1.S. [decessed] KOMONKKIN, Ye.I.; NEDIOKRITSKIY, Ye.L.;
GLADKYKH, B.Y.; JARKKOV V.S.; VASEV, S.A.

Rapid heating of steel in compartment furnaces. Izv.vys.ucheb.
zav.; chern.mat. 5 no.62155-166 '62. (MIRA 15:7)

1. Sibirskiy metallurgicheskiy institut.
(Furnaces, Heating)

STARIKOV, V.S.

Larion Rossokhin and the beginning of the studies of Chinese pyrotechnics; unpublished manuscript of "Detailed description of various Chinese fire fountains and rockets" by Rossokhin.

Iz ist.nauki i tekh.v stran.Vost. no.2:100-125 '61. (MIRA 14:9)

(China--Fireworks)

(Rossokhin, Ilarion Kalinovich, 1707 or 1717-1761)

STARIKOV, V.S.

History of Chinese agricultural tools in northeastern China. Iz. ist. nauki i tekh. v stran. Vost. no.1:81-126 '60. (MIRA 14:8) (China--Agricultural implements)

STARIKOV, V.S.

Application of hydrochemical sampling as practiced in the Kakadur-Khanikomskiy deposit in North Ossetia. Izv. vys., ucheb. zav.; tsvet. met. 3 no.3:8-11 60. (MIRA 14:3)

1. Severokavkazskiy gornometallurgicheskiy institut Kafedra poleznykh iskopayemykh i poiskovo-razvedochnogo dela.

(Ossetia-Ore deposits) (Ores-Sampling and estimation)

CHERNITSYN, V.B.; STARIKOV, V.S.

Some characteristics of the geological structure of the Avsandur complex ore occurrence (Central Caucasus). Izv. vys. ucheb. zav.; tsvet. met. 3 no.5:3-8 '60. (MIRA 13:11)

l. Moskovskiy gosudarstvennyy universitet i Severokavkazskiy gornometallurgicheskiy institut. Rekomendovana kafedroy poleznykh iskopayenykh i poiskovo-razvedochnogo dela Severo-kavkazskogo gornometallurgicheskogo instituta.

(Caucasus, Northern--Ore deposits)

(Nonferrous metals)

TANGE THE PERSON OF THE PERSON

Possibility of using biogeochemical methods of prospecting in the region of the "Inanikomskiy" complex ore deposit in Northern Caucasus. Izv. vys. ucheb. zav.; tsvet. met. 3 no. 6:3-8 '60.

1. Severokavkazskiy gornometallurgicheskiy institut. Eafedra poleznykh iskopayemykh i posikovo-razvedochnogo dela. (Caucasus, Northern--Geochemical prospecting)

STARIKOV, V.S.; CHERNITSYN, V.G.; TSOGOYEV, V.B.

Geological structure of Kakadur-Khanikomskiy complex metal deposit in the jurassic schists of mountainous Ossetia. Izv. vys. ucheb. zav.; tsvet. met. 4 no.1:3-8 '61. (MIRA 14:2)

1. Severokavkazskiy gornometallurgicheskiy institut, Moskovskiy gosudarstvennyy universitet i Trest "Savkavtsvetmetrazvedka."
Rekomendovana kafedroy poleznykh iskopayemykh i poiskovorazvedochnogo dela Severokavkazskogo gornometallurgicheskogo instituta.

(Ossetia—Ore deposits) (Nonferrous metala)

MAROCHKIN, A.S.; STARIKOV, V.S.

Some structural elements of the Kakadur-Khanikomskoye deposit.

Izv. vys. ucheb. zav.; tsvet. met. 4 no.4:10-15 '61. (MIRA 14:8)

1. Trest "Sevkavtsvetmetrazvedka" i Severokavkazskiy gornometallurgicheskiy institut.

(Ossetia-Ore deposits) (Geology, Structural)

TSOGOYEV, V.B.; GORELOV, V. Ye.; POLKVOY, P.A.; STARIKOV, V.S.

Characteristics of the geological structure of the Kadat-Khampaladag ore zone in Northern Ossetia. Izv. vys. ucheb. zav.; tsvet. met. 6 no.3:3-10 '63. (MIRA 16:9)

1. Severokavkazskiy gornometallurgicheskiy institut, kafedra geologii i mineralogii.
(Ossetia , North—Geology, Structural)

STARIKOV, V.S.

Highspeed heating of carbon and alloy steel billets in a cylindricaltype compartment furnace. Izv. vys. ucheb. zav.; chern. met. 8 no.2: 161-167 165. (MIRA 18:2)

1. Sibirskiy metallurgicheskiy institut.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

CCESSION NR: AP5021620		UR/0286/65/000	013/0101/0101	
		621.979.984.00		
UTHOR: Shofman, L. A.; G	5. 44,55	44,55	4455 B	
UTHOR: Shofman, L. A.; Giryuchkov, M. 448.; Davydov,	edymin, Yu. Yu.; Roznko	Kwitnitakiv. A.	1. 14.55	
Rogozinskiy, A. A.; Feygin	V T - Yegorov I. V.	: Roytbarg, L. Kh.;	Yermanok, M. Z.	
Rodionov, A. S. 44,55	44,55	99,55	74.35	
44.68	•		2.	
TITLE: Method for tube ex	trusion / Class 49, No.	172601		
10	7 1. 5 1 1 1	-		WE!
SOURCE: Byulleten izobre	teniy i tovarnykh znako	v, no. 13, 1965, 10	•	
,		,		
COPIC TAGS: metal, metal	tube, metal extrusion,	tube extrapator		
BSTRACT: This Author Cer	tificate introduces a	ethod for tube extr	usion from	
	Lad the weter 12 Tirst.	HINTHER THOU BEACK		
Te pubbedaction action to	ingot should be smaller	than that of the e	[AZ]	
are subsequently welded in sure, the diameter of the				
sure, the diameter of the				
sure, the diameter of the		in a start fifty of		
aure, the diameter of the ASSOCIATION: none	жист. • 00	នប	B CODE: NA. :	
sure, the diameter of the	encl: 00 OTHER: 000		B CODE: MM. H	

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

HOR: Shofman, uchkov, M. W.	44,55	44.55	621 070	/65/000/013/0102/0 .984.002.54 ./% 55	102
HOR: Shofman,	44,55	44,55	621.979	.984.002.54	104
HOR: Shofman, uchkov, M. W.	L. A.; Gedymin,	44,53			Uh
uchkov, M. W.	274 714 7 4 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	. Yu. Yu.; Rozh	kov. V. M.; Ste	rikov, V. S.;	15
animakir A A.	Davydov, G. VY	Akhmetshin, M	W. Kvitnits	ciy, A. N.; 44,5	5
January A. R.	Feygin, V, I.;	Yegorov, 1. V	Roytbarg, L.	Mile, ICIMONOTY	1,55
ionov, A. S. 44,					
LE: Tool for e	xtruding of tub	es. Class 49,	No. 172602		
RCE: Byulleter	' izobreteniy i	tovarnykh zna	kov, no. 13, 19	965, 102	
OIC TAGS: tube,	metal tube, tu	ube extrusion,	extrusion tool	, extrusion press	
TRACT: This Au	thor Certificat	te introduces 8	tool for the	extrusion of tube	s from
id ingots, i.e.	, container, me	andrel, welding	chamber, and o	die. In order to	elation
A = 4 A = 3	lakian ta ti	ho container: 1	r carries an Ti	HACTHET ATC MIN -	- 2
	1	for the indot.	THULBLE COURSE	O COMITOR AND AL	
tment with the	werding chamber	r, william to to			[AZ]
d 1/&					
	RCE: Byulleten IC TAGS: tube, TRACT: This Au id ingots, i.e. ase the rigidit one another, th idly mounted in ed with a centr tment with the drel surface.	RCE: Byulleten' izobreteniy in IC TAGS: tube, metal tube, tube, metal tube, tube, to TRACT: This Author Certificate id ingots, i.e., container, mease the rigidity of individual one another, thereby improving idly mounted in relation to the dwith a central compartment them with the welding chamber drel surface.	RCE: Byulleten' izobreteniy i tovarnykh zna IC TAGS: tube, metal tube, tube extrusion, 4,57 TRACT: This Author Certificate introduces a id ingots, i.e., container, mandrel, welding ase the rigidity of individual tools and ens one another, thereby improving the accuracy idly mounted in relation to the container; i ed with a central compartment for the ingot. tment with the welding chamber, which is for drel surface.	TRACT: This Author Certificate introduces a tool for the id ingots, i.e., container, mandrel, welding chamber, and ase the rigidity of individual tools and ensure their precione another, thereby improving the accuracy of the extrude idly mounted in relation to the container; it carries an ined with a central compartment for the ingot. Radial canal then with the welding chamber, which is formed between condrel surface.	RCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 102 IC TAGS: tube, metal tube, tube extrusion, extrusion tool, extrusion press TRACT: This Author Certificate introduces a tool for the extrusion of tube id ingots, i.e., container, mandrel, welding chamber, and die. In order to ase the rigidity of individual tools and ensure their precise position in rone another, thereby improving the accuracy of the extruded tubes, the mand idly mounted in relation to the container; it carries an internal die and i ed with a central compartment for the ingot. Radial canals connect this container with the welding chamber, which is formed between container wall and

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

L 1655-66
ACCESSION NR: AP5021621
ASSOCIATION: none
SUBMITTED: 31Jan62 ENCL: 00 SUB CODE: MM
NO REF SOV: 000 OTHER: 000 ATD PRESS: 4095

RUBSTANTINOV, M.M.; POLKVOY, P.A.; STARIKOV, V.S.

Horizontal zoning of complex metal mineralization in the boundaries of the Jurassic schist belt of North Ossetia. Izv. vys. ucheb. zav.; geol. i razv. 8 no. 12:48-5? D *65 (MIRA 19:1)

1. Severo-Kavkazskiy gornometallurgicheskiy institut.

ACC NR: AP7002571

SOURCE CODE: UR/0413/66/000/023/0062/0062

INVENTOR: Gedymin, Yu.Yu.; Krivonos, G.A.; Starikov, V.S.; Kuznetsov, A.N.: Epshteyn, G.G.

ORG: none

TITLE: Method of lubricating the surface of aluminum or its alloys for extrusion. Class 23, No. 189111. [Announced by All-Union Scientific Research Institute for the Planning and Design of Metallurgical Machinery (Vsesoyuznyy nauchno-issledovstel skiy i proyektno-konstruktorskiy institut metallurgicheskogo mashinostroyeniya)].

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki; no. 23, 1966, 62

TOPIC TAGS: metal extrusion, aluminum extrusion, aluminum alloy

aluminum

ABSTRACT:

This Author Certificate introduces a method of lubricating the surface
of aluminum or its alloys as a preparation for extrusion with the use of
a fat-base lubricant. To improve the quality of the lubricant, the
surface of a billet is first coated with a layer of aliphatic acid salt
containing 10—20 carbon atoms in a molecule, and then with a fatty substance such as mineral oil, animal or vegetable fat or their mixture.

SUB CODE: 13/ SUBM DATE: 16Dec64/ ATD PRESS: 5113 Cord 1/1 UDC: 621.892.6

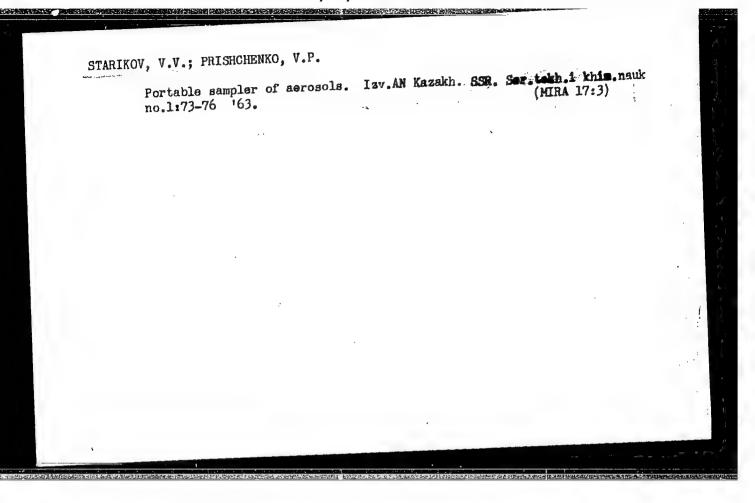
STARIKOV, V.V.; ISKHAKOV, K.L.

Semiconductor device for measuring the consumption and speed
of air. Trudy Inst. gor. dela AN Kazakh. SSR 11:174-178 '63.

(Aerodynamic measurements)

(Aerodynamic measurements)

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1



VOLORHOV, M. I., kand. tekhn. neuk; ISKHAKOV, K.L., inzh.; PRISHCHENKO, V.P.; STARIKOV, V.V.

Purification of mine air of dust with electric filters. Bor'ba s (MIRA 18:2) sil. 6:158-063 164

1. Institut gornogo dela AN Kamish.

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

STARLKOW, V.V.; ISKHAKOV, K.L.

New method of investigating the electrical properties of aerosols.

Trudy Inst.gor.dela AN Kazakh.SSR 15:97-106 164.

(MIRA 18:2)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

BARKAN, Vitaliy Fedorovich; ZHDANOV, Vasiliy Konstantinovich; CHISTYAKOV, N.I., doktor tekhn. nauk, retsenzent; LEVITIN, Ye.A., inzh., retsenzent; SAMOYLOV, G.V., inzh., red.; STARIKOV, Ye.P., inzh., red.; SUVOROVA, I.A., red.izd-va; NOVIK, A.Ya., tekhn. red.

[Design of radio systems] Proektirovanie radiotekhnicheskikh ustroistv. Moskva, Oborongiz, 1963. 514 p. (MIRA 17:1)

KHOMYAKOV, Mikhail Vasil'yevich; STARIKOV, Yevgeniy Sergevevich;
TAYTS, A.A., red.; YATSENKO, G.G., otv. za vypusk; SUKHAREVA,
R.A., tekhn.red.

[Concerning the operation of electric substations and networks at industrial enterprises] Voprosy ekspluatatsii setei i podstantsii promyshlennykh predpriistii. Moskva, 1959. 59 p. (Moskovskii dom nauchno-tekhnicheskoi propagandy. Peredovoi (pyt proizvodstva. Seriis: Elektroenergetika, vyp. 6).

(Electric substations)
(Electric power distribution)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

 $\mathbb{E}/\mathbb{T}(\mathfrak{m})/\mathbb{T}$ SOURCE CODE: UR/0065/66/000/005/0061/0061 ACC NR: AP6015117 (4) AUTHOR: Stekhun, A. I.; Starikova, A. I. ORG: none TITLE: Preventing jet fuel contamination during railway transport SOURCE: Khimiya i tekhnologiya topliv i masel, no. 5, 1966, 61 TOPIC TAGS: jet fuel, fuel contamination, railway tank car/TS-1 jet fuel ABSTRACT: New specifications for preparing railway tank cars for filling with jet fuel have been recommended. It is noted that poorly cleaned tank cars are the main source of jet fuel contamination. This was confirmed by measuring the change in the filtration rate of samples of TS-1 fuel taken immediately prior to filling the tank car (cleaned as per current specifications) and out of the tank car, for 25 lots of the fuel throughout the year. The recommended specifications provide for washing the tank car with hot water and detergents, or a water-kerosine emulsion, with subsequent wiping of the inside walls with illuminating kerosine. The effectiveness of [SM] these methods was confirmed in actual practice. SUBM DATE: none/ ORIG REF: 002/ ATD PRESS:#25/ SUB CODE: 21/ UDC: 665.521.3 Card 1/1

KRETOV, A.Ye.; STARIKOVA, A.I.

Acylation of arylsulfamides and N.N-dichlorobenzenesulfamide with high phthalic acid derivatives. Ukr. khim. zhur. 24 no.3:344-347 '58. (MIRA 11:9)

\(\text{\constant}\)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.
(Phthalic acid) (Sulfamide)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

JD/JG AFFTC/ASD EWP(q)/EWT(m)/BDSs/0129/63/000/005/0005/0012 L 11304-63 ACCESSION NR: AP3000485 AUTHOR: Gol'dshteyn, Ya. Ye.; Starikova, A. L. molybdenum and titanium on the temper brittleness of TITLE: Effect of boron, SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 5, 1963, 5-12 TOPIC TAGS: boron, molybdenum, titanium, temper brittleness, structural steel ABSTRACT: Authors studied the effect of boron, molybdenum and titanium on temper brittleness of structural steel by adding admixtures into individual fractions of molten steel of separate melts. Test melts were made in a 60-kg capacity induction furnace, and various alloys were produced by introducing admixtures into the pouring ladle or directly into the furnace. The melts were then poured into four or five ingots of varying composition. These ingots were then forged into rods and samples for heat treatment were cut out from these rods. Authors conclude that effect of boron on tendency of carbon and alloy steel to reversible temper that effect of boron on tendency of carbon and alloy steel to reversible temper. brittleness is not clear and depends upon basic composition of the steel. Boron, introduced into finished iron or steel which is not inclined to temper brittleness, does not intensively strengthen the sensitivity of the material to a change in Card 1/2

L 11304-63

ACCESSION NR: AP3000485

cooling rate after tempering. The introduction of 0.1% titanium into low-carbon steel promotes its embrittlement and increases the tendency toward reversible temper brittleness. The effect of molybdenum is of an extreme character, and increasing its content above the optimum not only reduces its positive value, but can also be the self-contained reason for embrittlement of the steel, even after it has been cooled rapidly after high temper. The optimum content of molybdenum in structural steel depends upon the carbon content. Orig. art. has: 10 figures, 2 tables.

ASSOCIATION: Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii (Chelyabinsk Scientific-research Institute for Metallurgy)

SUBMITTED: 00

DATE ACQD: 3Jun63

ENCL: 00

SUB CODE: 00

NO REF SOV: 013

OTHER: 008

kes/wr Card 2/2

ACCESSION NR: AR4018335

8/0137/64/000/001/1080/1080

SOURCE: RZh. Metallurgiya, Abs. 11505

AUTHOR: Gol'dshteyn, Ya. Ye.; Starikova, A. L.

TITLE: The influence of boron and titanium on temper brittleness

CITED SOURCE: Sb. Teoriya i praktika metallurgii. Vy*p. 5, Chelyabinsk, 1963,

107-122

TOPIC TAGS: low carbon steel, titanium steel, low carbon steel brittleness, shrinkage, shrinkage brittleness, boron steel, temper brittleness

TRANSLATION: The influence of B and Ti on temper : brittleness of low-carbon steel was studied. The admixtures under study were introduced into individual proportions of liquid steel either separately or in combination with Si, Mn, Cr, and Mo; ak and structure were determined on heat-treated samples at temperatures from minus 80 to plus 20 degrees. It was determined, that the temper ness of steel containing boron depends upon its basic composition. In pure Fe and in steel not inclined toward temper brittleness, B in the amount of 0.003 has little practical influence on ak. In steel inclined toward temper

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1

ACCESSION NR: AR4018335

ak is lowered commensurate with the increase in content of B, Mn, and P. The brittleness of low-carbon steel sometimes increases with an inclusion of Ti (0.01%), the influence of which rises commensurate with the decrease in carbon content (meaning that as it decreases, more and more titanium is outside the carbide phase). In consideration of the favorable influence of Ti in obtaining residual finegraininess of steel, it is recommended for inclusion in structural steels within the limits of 0.02-0.00%. Mo does not always lower the temper brittleness of structural steel, and its optimum content depends on the carbon content.

SUB CODE:

MM

ENCL: 00

Card 2/2

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1

- 1. STARIKOVA, G. A.
- 2. USSR (600)
- 4. Stars, Variable
- 7. Irregular variable star RR Tauri. Per. zvezdy 8 No. 3, 1951

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

69855

3.1430 sov/35-59-9-7019

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, pp 22 - 23

(USSR)

TITLE:

AUTHOR: Stari

Starikova, G.A.

The Proper Motions of Two Short-Period Cepheids the BP Vulpeculae and

the AR Persei

PERIODICAL:

Peremennyye zvezdy, 1956 (1958), Vol 11, Nr 5, pp 389 - 392

ABSTRACT:

BP Vul. In order to determine the proper motion two photographs were used taken in July 1950, and the positions taken from the Paris Astrographic Catalogue of the epochs of July 1894 and July 1895. The measurements were carried out on Bamberg's measuring instrument. The following relative

motions of the BP Vul were obtained:

 $\mu \propto \cos \delta = +0^{\circ}.008 + 0^{\circ}.004,$ $\mu \delta = +0^{\circ}.014 + 0^{\circ}.004.$

Absolute motion:

 $\mu \propto \cos \delta = +0^{\circ}.011 \pm 0^{\circ}.004,$ $\mu \delta = +0^{\circ}.007 \pm 0^{\circ}.004,$

 $\mu = +0^{\circ}.013 + 0^{\circ}.004,$

Card 1/2

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652920005-1"

59855 S0V/35-59-9-7019

The Proper Motions of Two Short-Period Cepheids the BP Vulpeculae and the AR Persei

AR Per. Four photographs were used, which were taken in July 1933, July 1937, July 1953 and July 1954. The measurements were carried out on the KIM-3 measuring instrument. The following relative motion was obtained:

$$\mu \propto \cos \delta = +0^{\circ}.020 \pm 0^{\circ}.010,$$
 $\mu \delta = +0^{\circ}.012 \pm 0^{\circ}.010.$

Absolute motion:

$$\mu_{\alpha}\cos\delta = +0".022 \pm 0".010, \\ \mu_{\delta} = +0".006 \pm 0".010,$$

$$\mu = + 0^{\circ}.023 \pm 0^{\circ}.010,$$
 $\varphi = 74^{\circ}.7.$

Bibl. 5 titles.

N.P. Kukarkina

Card 2/2

sov/35-59-8-6270

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959,

Nr 8, p 23

AUTHORS:

Kurochkin, N.Ye., Starikova, G.A.

TITLE:

RS Ophiuchi

PERIODICAL: Astron. tsirkulyar, 1958, August 26, Nr 194, pp 2 - 3

ABSTRACT:

The data of observations of an increase in RS Oph brightness, carried out by P.P. Parenago, I.S. Astapovich and V.G. Teyfel', are presented. During the period from July 16 to August 22, 1958, the authors obtained 28 photographs of the RS Oph star.

Twenty eight photographic estimates are given.

Card 1/1

CIA-RDP86-00513R001652920005-1" APPROVED FOR RELEASE: 08/25/2000

SOV/35-59-8-6313

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959,

Nr 8, p 30

AUTHOR:

Starikova, G.A.

TITLE:

Magnitude-Color Functions of Stars

PERIODICAL:

Astron. tsirkulyar, 1958, August 26, Nr 194, pp 16 - 19

ABSTRACT:

The results of an investigation of the magnitude-color function for stars in the neighborhood of the Sun are presented. The investigation was carried out on the basis of the D φ (M) function obtained by two methods: 1) from bright stars up to $6^{\rm m}$.0 vis, 2) from near stars within a sphere of 20 parsec in radius from the Sun. A summary chart catalogue of parallaxes compiled by the Chair of Stellar Astronomy of MOU was used for the determination of the final spectral classes and magnitudes. The spectral classes were converted into the values of color indices B-V according to the spectrum - (B-V) relationship, with allowance for the magnitude. The name of magnitude-color function is under-

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920005-1"

B

3(1) AUTHOR:

Starikova, G.A.

507/33-36-2-23/27

TITLE:

Relative Position and Magnitudes of Components of Trapezium

Type Stars

PERIODICAL:

Astronomicheskiy zhurnal, 1959, Vol 36, Nr 2, p 374 (USSR)

ABSTRACT:

On the basis of photographies made with the normal astrograph of the Tashkent Observatory, the relative distances and position angles of the components of trapezium type stars are determined. The differential refraction was taken into account according to V.A. Al'bitskiy and A.N. Deych. For the system ADS 3579 the photographic magnitudes of the components

were measured with the microphotometer MF - 6, result:

 $A = 5^{m}$. 76 , $B = 7^{m}$. 26 , $C = 10^{m}$. 00 .

ASSOCIATION: Gosudarstvennyy astronomicheskiy institut imeni P.K.Shternberga

(State Astronomical Institute imeni P.K. Shternberg)

SUBMITTED:

June 23, 1958

Card 1/1

13.

STARIKOVA, G.A.

Percentage of stars with various characteristics in the vicinity of the sun. Astron.tsir. no.203:8-9 Je '59. (MIRA 13:4)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.
Noskva. (Stars-Distribution)

81840

3.1560

\$/033/60/037/03/009/027 E032/E314

AUTHOR:

Starikova, G.A.

Luminosity and Colour Functions Astronomicheskiy zhurnal, 1960, Vol 37, Nr 3, TITLE:

PERIODICAL:

ABSTRACT: The aim of the present paper was to study the luminosity and colour functions for stars, the luminosity and colour functions for different sequences in the colour-luminosity the quantitative composition of this

diagram. The luminosity function was found for stars up and stars in a sphere with a radius of 20 ps. The

effect of absorption of light and luminosity classes were taken into account. The luminosity and colour functions were determined using the bright- and the nearstars methods. The bright-stars-method was first used by Kunitskiy (Ref 2) and later on by Parenago (Ref 3). This method is applicable only to absolutely bright stars.

For absolutely weak stars the luminosity and colour functions can conveniently be set up using stars in a limited neighbourhood of the sun, where their total number

is known. To begin with, the function $\phi(M)$ Cardl/3

建筑建筑的要求的现在时间被使用的股本共享的企业的企业的更是更加的企业的企业。

81840

s/033/60/037/03/009/027 E032/E314

Luminosity and Colour Functions

determined using bright and near stars. Knowing the latter function and the distribution of the stars employed with respect to colour and luminosity classes, it is then possible to construct the luminosity functions and the colour functions for different luminosity classes. The values of the functions are reduced to the Galactic plane. The absolute magnitudes are visual and the colours are on the B-V system. A calculation is given of the percentage of stars with various characteristics. The relative numbers of stars along the main sequence are computed. It is concluded that there is a considerable admixture of stars of the spherical component among stars of other sequences with similar M and C characteristics. The results obtained suggest the presence of a large number of sub-dwarfs in the neighbourhood of the However, it is clear that the number of stars increases along the main sequence. The existence of a minimum at M = +9 (Figure 2) in the general luminosity function is apparently due to a minimum in the spherical component at this point. Table 10 and Figure 2 give

Card2/3

81840

\$/033/60/037/03/009/027 E032/E314

Luminosity and Colour Functions

the number of stars at different points in the colourluminosity diagram. The majority of the stars lie in the lower part of this diagram. Acknowledgments are made to Corresponding Member of the Ac.Sc. Professor P.P. Parenago, who suggested the present subject and directed this work. There are 3 figures, 11 tables and 21 references, 11 of which are Soviet, 1 German and 9 English.

ASSOCIATION: Gos. astronomicheskiy in-t im. P.K. Shternberga (State Astronomical Institute imeni P.K. Shternberg)

SUBMITTED: May 23, 1959

4

Card3/3

STARIKOVA, G.A. Determining the expected number of stars in different regions of the sky. Astron.shur. 37 no.4:671-676 Jl-Ag '60. (MIRA 13:8) 1. Gosudarstvenuyy astronomicheskiy institut im. P.K.Shternberga. (Stars--Distribution)

STARIKOVA, G.A.

Brightness of RS Ophiuchi. Astron.tsir. no.208:20-21 Ja 60. (MIRA 13:11)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga. (Stars, Variable)

Ţ

STARIKOVA, G. A.

Cand Phys-Math Sci - (diss) "Study of function of brightiness and color of stars." Moscow, 1961. 10 pp; (Main Astronomical Observatory Academy of Sciences USSR, Pulkovskaya Observatory); 175 copies; price not given; (KL, 7-61 sup, 220)

KULIKOVSKIY, P.G.; KUROCHKIN, N.Ye.; STARIKOVA, G.A.

First results of measurements of binary stars with the SPM-1 polarization micrometer. Astron.zhur. 38 no.4:762-767 Jl-Ag '61. (MIRA 14:8)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.

(Stars, Double) (Micrometer)

KUROCHKIN, N.Ye.; STARIKOVA, G.A.

Measurements of double stars with a polarization micrometer. Soob. GAISH no.124:28-30 62. (MIRA 16:7)

(Stars, Double)

STARIKOVA, G.A.

Comparison of the luminosity function of open clusters.
Astron.zhur. 39 no.6:1058-1066 N-D '62. (MIRA 15:11)

1. Gosudarstvennyy astronomicheskiy institut im.

P.K. Shternberg.

(Stars-Clusters)

ACCESSION NR: AR3010369

s/0269/63/000/008/0022/0022

SOURCE: RZh. Astronomiya. Abs. 8.51.187

AUTHOR: Starikova, G. A.

TITLE: New Herculean 1963

CITED SOURCE: Astron. tsirkulyar, no. 235, marta 12, 1963, 2

TOPIC TAGS: new star, new Herculean 1963

TRANSLATION: Photographic observations of a New Hearculean 1963 (Dahlgren) were carried out on 17-28 February 1963 by means of a 40-cm astrograph. Eight Plates were obtained. The comparison stars were & Lyr. L Her, HR 6845 and star No. 52 in SA38. The brightness was evaluated by the Neyland-Blazhko method. The following results were obtained:

Card 1/

STARIKOVA, G.A.

Dispersion of two-color diagrams in the areas of open star clusters. Astron.zhur. 41 no.2:396-405 Mr-Ap '64. (MIRA 17:4)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

STARIKOVA, G.A.

Luminosity function of the system of galactic clusters. Astron. zhur. 41 no.4:752-757 Jl-Ag *64 (MIRA 17:8)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shtern-berga.

Unified evolution of ctars of open clusters and long-period caphedra. Astron.chur. 42 no.5:1057-1061 3.0 165.

[MIRA 18:10]

1. Gosudarstvennyy astronomicheskiy lostitut im. P.K.Shternberga.

LYUBIMOVA, Ye.A.; LYUSOVA, L.N.; FIRSOV, F.V.; STARIKOVA, G.N.; SHUSHPANOV, A.P.

Determination of surface heat flow in Staraya Matsesta. Izv. AN SSSR. Ser. geofiz. no.12:1806-1811 D '60. (MIRA 13:12)

1. Institut fiziki Zemli AN SSSR.

(Earth temperature)

FROLOV, N.M.; AVER'YEV, V.V.; DUKHIN, I.Ye.; LYUBIMOVA, Ye.A.; Prinimali uchastiye: GOL'DBERG, V.M.; MAVRITSKIY, B.F.; SEDOV, N.V.; YAZVIN, L.S.; KUTASOV, I.M.; STARIKOVA, G.N.; KORTSENSHTEYN, V.N., red.

[Methodological instructions for studying thermal waters in boreholes.] Metodicheskie ukazaniia po izucheniiu termal'nykh vod v skvashinakh. Moskva, Nedra, 1964. 139 p. (Moskow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no.17). (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii, Moskva (for Frolov, Gol'dberg, Mavritskiy, Sedov, Yazvin). 2. Institut vulkanologii Sibirskogo otdeleniya AN SSSR (for Aver'yev). 3. Institut merzlotovedeniya AN SSSR (for Dukhin). 4. Institut fiziki Zemli AN SSSR (for Lyubimova, Kutasov, Starikova).

SOV/180 -59-1-14/29

Presnyakov, A.A. and Starikova, G.V. (Alma-Ata) AUTHORS:

Conditions for the Appearance of Super-Plasticity in TITLE: Cast Eutectics (Ob usloviyakh vozniknoveniya sverkh-

plastichnosti v litykh evtektikakh)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 1, pp 75-77 + 1 plate (USSR)

ABSTRACT: Presnyakov and Chervyakova have described (Ref 1) and investigated (Ref 2) the effect of super-plasticity in Al-Cu eutectic rapidly cooled during crystallization. In the present article the authors describe work on the systems Al-Si (11.7% Si), Al-Ni (5.7% Ni) and Al-Fe (1.9% Fe) with the object of elucidating this effect in cast iron eutectics. Grade AI aluminium, grade Kr-1 silicon, NOO-grade nickel and low-carbon steel were used. The alloys were superheated by 150-200°C before pouring into graphite and metal moulds. 5 X 20 mm working-

section test-pieces were cut from the ingots. Plasticity in tension was determined at every 1000C,

except near the eutectic temperature when the interval was reduced to 20°C. Heating time was 20 minutes. The Card 1/3

SOV/180-59-1-14/29 Conditions for the Appearance of Super-Plasticity in Cast Eutectics results are shown in Figs 1, 8 and 9 fur the silicon, nickel and iron alloys, respectively, as curves of percentage elongation (curves 1,3) and percentage contraction in cross-sectional area (curves 2,4) against temperature (%). The lattice parameters were measured by the X-ray back-reflection method for specimens cast into a metal mould, a graphite mould and in the deformed and annealed states. Figs 2, 6 and 7 show the X-ray patterns obtained after hot deformation and annealing (a) and after quenching from the liquid state (6); Figs 3, 4 and 5 show the corresponding microstructures. The authors conclude that for super-plasticity to appear at temperatures near that of the eutectic transformation a certain degree of metastability must be present. The superplasticity effect can become very pronounced only when a considerable number of atoms of the second component Card 2/3 participate in the atomic movement during the

Conditions for the Appearance of Super-Plasticity in Cast Eutectics decomposition of the metastable state in the deformation process. The appearance of the effect also depends on the influence of temperature on the solubility of the second component in the solid solution (as suggested by Card 3/3

Card 3/3

There are 9 figures, 1 table and 4 Soviet references.

SUBMITTED: June 16. 1958

18. 8200 18.1220

s/180/60/000/01/017/027

B193/**B**135

AUTHORS:

Presnyakov, A.A., and Starikova, G.V. (Alma-Ata)

TITLE:

On the Anomalous Increase in the Ductility of (a+6)-

Brasses K

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, Nr 1, pp 123-126 (USSR)

ABSTRACT: The anomalous increase in the ductility of two-phase alloys in the phase transformation range has been observed and studied by many workers. However, there is no agreement in the interpretation of the experimental

data and it was for this reason that the present investigation was undertaken. The experimental materials comprised brasses L_62 LS59-1, and L52 $(\beta$ -brass). The elongation of the specimens, tested under static tensile stress, was taken as the criterion of the ductility of

the alloys, this characteristic being most convenient for studying the "super-ductility" phenomena. The results of the first series of experiments are reproduced in Fig 1, where elongation (ϵ , %) is plotted against temperature

Card 1/5

(°C) for the L-62 and LS59-1 alloys (curves 1 and 2, respectively). The results of similar experiments, carried out on brass L-52, are given in Fig 2 where

68693 \$/180/60/000/01/017/027 £193**/£**135

On the Anomalous Increase in the Ductility of (a+b)-Brasses

U.T.S. (σ_B , kg/mm²) and ϵ are plotted against temperature (curves 2 and 1, respectively). The rate of heating during these experiments was approximately 16 °C/min. Although the LS59-1 brass contains 1% Pb, the maximum value of ϵ (180%) was practically the same for both L-62 and LS59-1 alloys; this value was attained at 870 °C in the former and at 770 °C in the latter alloy. Intercrystalline cracks appeared in the L-62 brass at 900 °C owing to the nearness of the melting point (903°C) but at other temperatures the specimens deformed normally and no symptoms of "burning" were observed. In the case of brass L-52, a sharp increase in ϵ was observed at 470-480 °C. This effect is attributed to the diffusion mechanism of the order-disorder transformation which, on heating, takes place in the β -brass at about 470 °C. The maximum value of ϵ , attained at 570-600 °C, can hardly be associated with the order-disorder transformation and it has been attributed by the present authors to some other factor of, as yet, unknown nature. The present authors have postulated that the anomalous increase in ϵ of the two-phase alloys is associated

Card 2/5

S/180/60/000/01/017/027 E193/E135

On the Anomalous Increase in the Ductility of (a+B)-Brasses

with the $\alpha \rightarrow \beta$ transformation. This hypothesis was confirmed by the results of isothermal tests which are reproduced in Fig 3, where & is plotted against time (t, min) at the test temperature for brass L-62, tested at 870 °C (curve 1) and brass LS59-1, tested at 725ε decreased 740 oC (curves 2 and 3, respectively). with increasing time at a given temperature, the rate of this decrease being accelerated by raising the test temperatures. Thus, in the first approximation, the anomalous increase in & is proportional to the quantity of the a-phase still undergoing the $a \rightarrow \beta$ transformation. This conclusion has been confirmed by the results of microscopic examination of specimens of the brass LS59-1 after various treatments. The various structures, shown in Fig 4 (X 200), relate to: a - specimen heated to 770 °C and immediately quenched; b - the same specimen, deformed immediately after reaching 770 °C and quenched; B - specimen quenched after being held for 2 min at 770 oc; 2 - the same specimen, deformed after 2 min at 770 °C and quenched; d = specimen quenched after 5 min at 770 oc.

Card. 3/5

s/180/60/000/01/017/027 E193/E135

On the Anomalous Increase in the Ductility of (a+p)-Brasses

It will be seen that at the moment of reaching 770 °C and after 2 min at this temperature, the alloy is still heterogeneous (Figs 4a, b); after 5 min at 770 oc, the alloy consists of β -phase only (Fig 4d). At the same time specimens, tested to rupture immediately on reaching 770 oC, or after 2 min at this temperature (i.e. at the moment when they still consisted of two phases) and then quenched, were found to consist (in the near-fracture region) of one phase only (Figs 4b and ?). The ductility of these specimens was higher than that of specimens which, at the moment of testing, consisted of one phase only ($\epsilon_{\alpha}+\beta=170\%$, $\epsilon_{\beta}=100\%$). Several conclusions were reached. (1) The anomalous increase in the elongation of specimens of (a+β)-brasses, tested in tension at temperatures above 700 oC, is associated with the $\alpha \rightarrow \beta$ phase transformation; the maximum increase in ductility of these brasses corresponds to the temperature at which the intensity of the $\alpha \rightarrow \beta$ transformation is at its highest. (2) The connection between the decomposition of the a-phase and the anomalous ductility effect has been

Card 4/5

S/180/60/000/01/017/027 E193/E135

On the Anomalous Increase in the Ductility of (a+B)-Brasses

confirmed by the variation in ductility of specimens subjected to isothermal treatment; the longer the soaking time at the given temperature, the lower is the elongation as a result of the alloy approaching more closely the state of equilibrium. For the same reason, ductility decreases with increasing temperature of the isothermal treatment. (3) Rapid increase in ductility of brass L-52, at 470-480 °C, is associated with the order-disorder transformation taking place in the alloy

Card 5/5 in this temperature range.
There are 4 figures and 10 references, of which 9 are Soviet and 1 is German.

SUBMITTED: October 13, 1959

S/126/60/010/006/022/022 E201/E491

AUTHORS:

TITLE:

Starikova, G.V. and Presnyakov, A.A.

Change in Mechanical Properties of Nichrome on

Formation of the K-State

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol.10, No.6,

pp.943-945

The anomalous rise of the electrical resistance on annealing of nichrome after quenching was ascribed by Thomas (Ref.1) to formation of the K-state. The present authors report that the tensile strength of nichrome wire, 3.9 mm in diameter, was not greatly affected by annealing at comparatively low temperatures but a 400 to 500°C anneal raised the strength by 6% compared with the strength of quenched non-annealed nichrome. Annealing at 600 to 700°C lowered the tensile strength again. These changes in the tensile strength were ascribed to formation of the K-state and its subsequent destruction above 500°C. Fig.l gives the results obtained are shown in Fig.l and 2. tensile strength σ_B (in kg/mm²), contraction ψ , and extension & as a function of the annealing temperature (0 Fig.2 shows the plot of oB and 700°C). Card 1/4

S/126/60/010/006/022/022 E201/E491

Change in Mechanical Properties of Nichrome on Formation of the K-State

There are 2 figures duration of the 450°C anneal (in minutes). and 3 references: 2 Soviet and 1 non-Soviet.

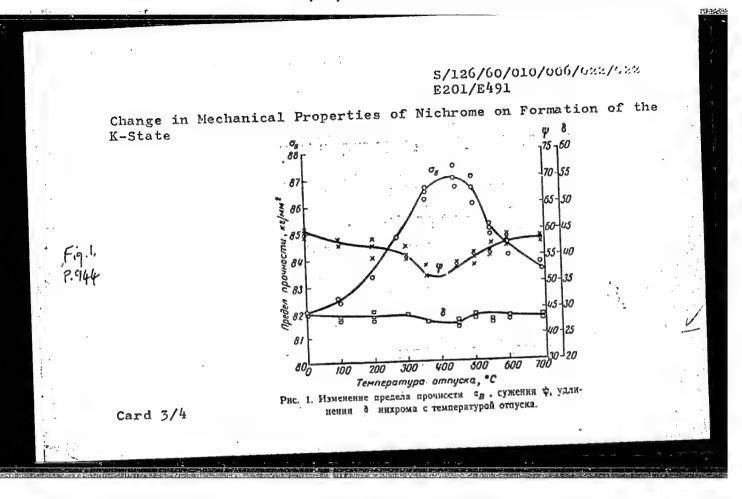
ASSOCIATION: Institut yadernoy fiziki AN KazSSR

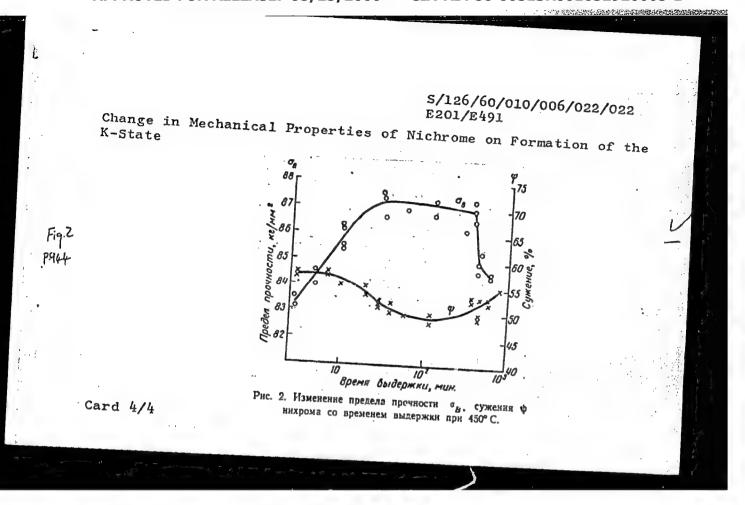
(Institute of Nuclear Physics AS KazSSR)

July 4, 1960 SUBMITTED:

Card 2/4

CIA-RDP86-00513R001652920005-1" APPROVED FOR RELEASE: 08/25/2000





PHASE I BOOK EXPLOTEATION

507/5590

23

Akademiya nauk Kazekhskoy SSR. Institut yadernoy fiziki.

Metallovedeniye i obrabotka metallov davleniyen (Physical Metallurgy and Pressworking of Metals) Alma-Ata, 1951. 185 p. (Series: Trudy Instituta yadarnoy fiziki, t. 4) 2,450 copies printed.

Resp. Eds.: I. G. Grinman and A. A. Presnyakov; Resp. Secretary: V. V. Chervyakova; Eds.: M. Ya. Bradlovskaya and T. I. Shevchuk; Tech. Ed.: Z. P. Rorokina.

PURREST: This book is intended for scientific research vorkers, technical personnel in industry, and students and aspirants interested in problems of physical metallurgy and the pressworking of metals.

COVERAGE: The book, Volume IV of the Transactions of the Institute of Euclear Physics, Academy of Sciences Kazahh SER, contains papers reviewing problems of physical metallurgy. Attention is given to a consideration of metal ductility, strength, phase transformation, and the ordering of various alloys, and to a discussion of the diffusion mechanism of the plasticity. Experimental findings concerning strength, deformation, and external friction in the working of non-ferrous metals and alloys are included in papers dealing with metal rolling.

Card 1/6

5 mg 2

			2.	3	
Reyalcal Matallungy	and Processeding of Estate	£07/5550		i	
Problems of mutor freeds are also (the rejority of	intic inspection and control considered. Nest of the pa- thich are Soviet.	l of multidatest vice-dated pera are eccompanied by re-	ig ferences,	* · · · · · · · · · · · · · · · · · · ·	
PAPER OF CONTENES:		l		, Maria	
Intallic Solids	the Problem of the Deforma		3 .	- Parket and the second	
Ductility of Copper			9	Tr. Ch. White Go.	7.
Problem of the Eati	V. V. Cherrychova, and K. Fre of Ductility Founfall in		15	Less refresher	
Presnyakov, A. A., Eutectoid Aluminum	end V. V. Cherryakova. On Zinc Alloys	the Superductility of	23	(American)	
Starikova, G. V., Ductility of a + B	nd A. A. Presnyakov. On th	he Abnormal Increase of	33		٠
card 2/6	•			en ir main andres de la facilitation	
-	***************************************	or a manager of the party of th	4 4 1 max	}	

nysical Netallingy and Presentation, G. V., and A. A.		507/5690	٠	
9-Dress	Prospychov. Investigating			
		g the Editility	39	
resmyslar, A. A., and L. I.	Dentora. On the Problem	cr Talymor <u>him</u>	t 2	*
a listala ozd Alloyo			43	4
etal Alloys			53	.
ome Special Features of the tructure of Brass	S OFFICE THE STORY	•	63	
resnyakov, A. A., L. I. Da n the Electrical Resistanc	utova, and Tu. F. Klyadrill e of Brasses and Aluminum	Erongos	69	
ard 3/6 ·				
				emploment of the
	·			1 6
and the second s	and the second of the second o			
	resnyckov, A. A. and L. I. a libtain and Alloys resnyckov, A. A. On the Contal Alloys resnyckov, A, A., L. I. Day one Special Features of the tructure of Bress	resnyakov, A. A. and L. I. Bantove. On the Nature of a libtals and Alloys resnyakov, A. A. On the Causes of the Anomalies in etal Alloys resnyakov, A, A., L. I. Dantova, and Yu. F. Klynched come Special Features of the Changes in the Ricrobard tructure of Brass resnyakov, A. A., L. I. Dantova, and Yu. F. Klynchel n the Electrical Resistance of Brasses and Aluminum	resnyakov, A. A. and L. I. Bautova. On the Nature of Cold-Shortassa a libtals and Alloys resnyakov, A. A. On the Causes of the Anomalies in the Bratility of etal Alloys resnyakov, A, A., L. I. Dantova, and Yu. F. Klynchnikov. Concerning one Special Features of the Changes in the Microbardness and Crystal tructure of Brass resnyakov, A. A., L. I. Dantova, and Yu. F. Klynchnikov. On the Anomalie in the Electrical Resistance of Brasses and Aluminum Bronzes	resnyakov, A. A. and L. I. Bantove. On the Nature of Cold-Shortessa a listals and Alloys resnyakov, A. A. On the Causes of the Anomalies in the Bratility of etal Alloys resnyakov, A, A., L. I. Dantova, and Tu. F. Klynchnikov. Cenceralng one Special Features of the Chenges in the Ricrohardness and Crystal tructure of Brass resnyakov, A. A., L. I. Dantova, and Tu. F. Klynchnikov. On the Anomalies on the Electrical Resistance of Brasses and Aluminum Eronass 69

	,							13	
•	1	Fayaical Hetallurg	and Presquerling of 1	istals		E87/7890		•	
		Resistance of the C	, and A. A. Promyelon u-Ni Alloys	· Americality	12 the 1	Electrical.	7÷		-
		Nysambayev, G. N., zation Rate on the	end A. A. Proceychov. Structure and Properti	On the Hill es of Commi	et of th midl-Gra	e Crystalli- lo Hotals	78		
	,	Presnyakov, A. A., the Equilibrium Dia	Yu. A. Corhan', and V. gran of the Al-En Allo	V. Chervyal	wa. Co	cerning	85		
		Chernousova, K. T., Structure and Prope	and A. A. Presnychov. rties of Copper-Dass A	The Effect Lloys	of Venn	Ciun on the	89	2	
		lironenko, Yu. P.	The Use of Mound Trans	ducers in St	train Gag	38	95		
		Presnyakov, A. A., the External-Fricti	and A. A. Vinnitshiy. on Coefficient by Coni	On the Reti	cd of Do Doeds	torzininz	97		
		Presnyakov, A. A., Friction Unit Force	and A. A. Vinnitchiy.	The listhed	of Dator	mining the	,1,00	· .	
į	'						:		
and the depth of the		Card 4/6							
			**						1
	ž			* 1 * * * * * * * * * * * * * * * * * *	• 1				
	3	والقدفيومية المرادي والمراد	are a surface of the	18 10 10 3 25				1	

						,
					2 3	2
	Thysical Metallurgy an	l Pressworking of Net	als	EC7/5590		
	Vinnitshiy, A. A., and Friction Forces in Not	A. A. Preenyalov. O	n the Problem of	Tamed	102	
	Presnyakor, A. A. Con Temperature	corning the Depondenc	e of Reptage Etr	cagth on	167	
	Presnyskov, A. A. Co Plastic Deformation	the Problem of the Di	filusion Hechanic	n cl	111	
	Vinnitshiy, A. A., and of Friction Coefficien	A. A. Preenyakov. I	xporimental Data	raination	116	
	Griman, I. G., A. G. Objectives of Automati	Yegay, L. S. Hilbayle e Taspection and Conf	ve, and Yu. V. Corol in the Vire-	Bearing Press	3 122	
•			westisetist the	Pencipility	4	
•	Grinnan, I. G., and E. of Magauring by Redica Drawing	k. Diffished wa. In citive Radietion the S	i to sunderegae	io Wiro During	125	
•	of Magazing by Redica	K. BinaryDelibya. In Active Rediction the S	emparature of th	io Kiro During	125	
•	of Magazing by Redica	K. Briesypemyu. In Active Rediction the S	derrores of the	o Vier During	125	Marie Autoritan de la companya de la
	of Magazing by Redica Drawing	k. Executor in factive Englishment the S	emperature of th	o Viro During	125	The state of the s
	of Magazing by Redica Drawing	k. Experyemova. In ictive Rediction the S	emperature of th	o Viro During	125	The state of the s
	of Magazing by Redica Drawing	K. Experyemova. In ictive Rediction the f	Camerature of th	o Viro During	125	man de la casa de la c
	of Magazing by Redica Drawing	K. Experyomera. In citive Rediction the S	emperature of th	o Viro During	125	The state of the s
	of Magazing by Redica Drawing	k. Execypemya. In ctive Rediction the S	emerature of th	o Viro During	125	Belle and the second se
	of Magazing by Redica Drawing	K. Ezzesypemya. In ctive Rediction the S	emerature of th	io Wiro During	125	The second secon

1								
						13		
		Physical Metall	lurgy and Pressworking o	of Hetals	E57/5690			:
	,	Grinman, I. G., of Measuring th	, end L. P. Pushkarev. is Eackpull of a Wire Da	On the Frequency liethed uring Drawing		132		
-		Grinwan, I. G., Photoelectronic or Threads	, Yu. V. Ovsov, V. S. 12 Hierometer for Gaging	ishchenko, end Sh. Enkhtay the Diemeter of Moving Vi	rea	138		
			end L. S. Hikkeylova. Ity and Footage During I	On the Automatic Measuri Drawing		147		
		Yegay, A. G. Electric Motor the MO 300B PV	With Up to 100 kw Capso	Acceleration] of the Wound city by Using Electromagne	ts of	151	-	٧
¥		Helakhov, Yu. I Drawing Frame	., Study of the Automat	tic Electronic Drive of a	Wire-	158		
			and N. I. Sakhipov. (on the Automatic Electric- ms		172		
- [AVAILABLE: Lit	orary of Congress	•				
		Card 6/6		•	¥ã/₩ 11-2	rc/mss 2-61		
*		er an and an	nen i samunia sa	en e	aan y syn ar genedd ac y san y syn ar genedd ac s	omera e e e e e e e e e e e e e e e e e e	d - d	
								111

PRESNYAKOV, A.A. (Alma-Ata); STARIKOVA, G.V. (Alma-Ata); SAMOYLOV, V. A. (Alma-Ata); CHERVYAKOVA, V.V. (Alma-Ata)

Superplasticity of cast metastable eutectics. Izv.AN. SSSR. Otd. tekh. nauk. Mat. i topl. no.2:146-147 Mr-Ap '61. (MIRA 14:4)

1. Institut yadernoy fiziki AN KazSSR.

(Nonferrous alloys-Metallography) (Entectics)